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NOTICE OF ALLOWANCE AND FEE(S) DUE

2292 7590 04/17/2009 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 EXAMINER
TAPOLCAI, WILLIAM E

ART UNIT PAPER NUMBER

3744

DATE MAILED: 04/17/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,601	03/28/2007	Nobuki Matsui	2257-0261PUS1	5009
TITLE OF INVENTION: FUEL CELL POWER GENERATION REFRIGERATING SYSTEM				

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/17/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THE APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	or transmitting the 18 ig the Patent, advance nerwise in Block 1, by	e orders and notification of y (a) specifying a new corre	maintenance fees wi espondence address;	II be mailed to the curr and/or (b) indicating a	rent correspondence address as separate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
PO BOX 747	7590 04/17 ART KOLASCH CH, VA 22040-0747	& BIRCH		Cont	ificate of Mailing or Tr		
						(Depositor's name)	
			L			(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	R	ATTORNEY DOCKET NO	O. CONFIRMATION NO.	
10/594,601 TITLE OF INVENTION	03/28/2007 FUEL CELL POWER	GENERATION REF	Nobuki Matsui RIGERATING SYSTEM		2257-0261PUS1	5009	
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EXAM	IINER	ART UNIT	CLASS-SUBCLASS	7			
TAPOLCAI,	WILLIAM E	3744	062-236000	_			
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATZ less an assignce is ident h in 37 CFR 3.II. Comp	nge of Correspondence Indication form ed. Use of a Custome A TO BE PRINTED O	(I) the names of up to agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be	o 3 registered patent ively, gle firm (having as a agent) and the name orneys or agents. If n e printed. //pe) patent. If an assigne assignment.	attorneys I member a 2 s of up to o name is 3 e is identified below, the	he document has been filed for	
Please check the appropr	iate assignee category or	categories (will not be	e printed on the patent):	Individual Co	poration or other private	e group entity 🗖 Government	
4a. The following fee(s) Issue Fee Publication Fee (N	vo small entity discount p	permitted)	4b. Payment of Fee(s): (Ple A check is enclosed. Payment by credit cs The Director is hereboverpayment, to Dep	ard. Form PTO-2038	is attached.	fee shown above) ly deficiency, or credit any one an extra copy of this form).	
- 11	s SMALL ENTITY state	is. See 37 CFR 1.27.	☐ b. Applicant is no lo				
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be acce tes Patent and Tradem	pted from anyone other than ark Office.	the applicant; a regis	tered attorney or agent;	or the assignee or other party in	
Authorized Signature				Date			
Typed or printed name				Registration No	D		
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	EFR 1.311. The inform U.S.C. 122 and 37 CI USPTO. Time will v rden, should be sent to O NOT SEND FEES O	ation is required to obtain or FR 1.14. This collection is early depending upon the indi the Chief Information Office OR COMPLETED FORMS T	retain a benefit by the stimated to take 12 m vidual case. Any cor- cer, U.S. Patent and 7 O THIS ADDRESS.	e public which is to file inutes to complete, includents on the amount of frademark Office, U.S. I SEND TO: Commission	(and by the USPTO to process) luding gathering, preparing, and of time you require to complete Department of Commerce, P.O. oner for Patents, P.O. Box 1450,	

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PO BOX 747			ART UNIT	PAPER NUMBER
FALLS CHURCH, VA 22040-0747			3744	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 8 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 8 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/594,601 MATSULET AL. Notice of Allowability Examiner Art Unit William E. Tapolcai 3744

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REM herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. Of the of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP.	AAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiative
 This communication is responsive to the amendment filed on March 	31, 200 <u>9</u> .
 The allowed claim(s) is/are <u>1,2,4-16 and 18-21</u>. 	
3. Acknowledgment is made of a claim for foreign priority under 35 U a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been re 2. Certified copies of the priority documents have been re: 3. Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)). *Certified copies not received:	ceived. beived in Application No have been received in this national stage application from the munication to file a reply complying with the requirements
A SUBSTITUTE OATH OR DECLARATION must be submitted. Not INFORMAL PATENT APPLICATION (PTO-152) which gives reason	
CORRECTED DRAWINGS (as "replacement sheets") must be subited including changes required by the Notice of Draftsperson's Pater 1) hereto or 2) to Paper No./Mail Date	ant Drawing Review (PTO-948) attached ment / Comment or in the Office action of ould be written on the drawings in the front (not the back) of recording to 37 CFR 1.121(d). DLOGICAL MATERIAL must be submitted. Note the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material William E. Tapolcai/ Primary Examiner, Art Unit 3744	5. Notice of Informal Patent Application 6. Interview Summary (PTO-413), Paper No./Mail Date 7. Examiner's Amendment/Comment 8. Examiner's Statement of Reasons for Allowance 9. Other

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

Application/Control Number: 10/594,601

Art Unit: 3744

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: In each of claims 1 and 2, at the end of both claims, change "the same inverter" to ---one inverter---.

The changes in claims 1 and 2 are being made to correct a minor lack of antecedent basis for "the same inverter".

2. The following is an examiner's statement of reasons for allowance: the claims are allowable because the prior art of record fails to disclose or teach the claimed first power conversion element between the fuel cell and the compression machine driving motor and the second power conversion element sharing one inverter.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William E. Tapolcai whose telephone number is (571) 272-4814. The examiner can normally be reached on Mon. - Thurs., 6:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl J. Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/William E. Tapolcai/ Primary Examiner, Art Unit 3744

wet April 9, 2009